

Release notes for ENDF/B Development n-002\_He\_003  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 35.84%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 1: He4 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 19555201.05739594 eV vs 20577780. eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 2: H1 + H3-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -258660.5978374481 eV vs 763752. eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 3: H2 + H2-s (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -4291327.437524319 eV vs -3268954. eV!

- njoy2012 Warnings:

1. This nuclide has no URR and NJOY is upset about it  
*unresr...calculation of unresolved resonance cross sections (0): No URR*

---message from unresr---mat 225 has no resonance parameters  
copy as is to nout

2. This nuclide has no URR and NJOY is upset about it  
*purrr...probabalistic unresolved calculation (0): No URR*

---message from purrr---mat 225 has no resonance parameters  
copy as is to nout